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TENDRING  
RURAL DISTRICT  
COUNCIL

ANNUAL REPORT

of the

Medical Officer of Health

for 1967.



TENDRING RURAL DISTRICT COUNCIL  
ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1967

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F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of Clacton,  
Brightlingsea, Frinton and Walton, the Rural District of  
Tendring and Assistant County Medical Officer.

G. W. YEARSLEY, Cert.R.S.H., M.A.P.H.I.  
Chief Public Health Inspector.

J. SMITH, Cert.R.S.H., M.A.P.H.I., Cert.I.Housing.  
Deputy Chief Public Health Inspector.

T. M. WHITE, Cert.R.S.H., M.A.P.H.I.  
Additional Public Health Inspector.

J. McLELLAN, Cert.R.S.A.(Scot.), Cert.R.S.A.(Scot.) Meat and  
Foods.  
Additional Public Health Inspector.

Miss V. G. HENAGULPH, Clerk to the Medical Officer of Health.

R. G. DEBNAM, Clerk to the Chief Public Health Inspector.

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July, 1968.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1967.

The birth rate has risen to 17.9 as compared with 16.2 last year, which is appreciably above the National figure of 17.2. The death rate at 11.1 approximates that of the National level.

The infant mortality rate at 18 also approximates the National figure, and is considerably lower than last year, although this figure varies considerably from year to year owing to the small numbers involved.

There were 296 cases of infectious diseases the majority being notification of measles. In addition there were 78 cases of mumps and 87 of chicken-pox, notified by the Local Education Authority. There was an outbreak of sonnei dysentery at Ardleigh, when 22 cases were notified. The outbreak appeared to have arisen at the Primary School where hygienic measures were recommended, which included improvements to the lavatory accommodation.

On the whole, the health of the community has remained excellent throughout the year.

Attendances at the County Clinics were satisfactory. 291 primary vaccinations against smallpox were carried out and 35 revaccinations. Injections against diphtheria and whooping cough numbered 1,100 and 115 against tetanus. 411 primary and 591 secondary oral doses of anti-polio vaccine were administered.

A report on the water supply by the Tendring Hundred Waterworks Company is given elsewhere in this report. 245.690 million gallons were supplied this year to the district. This indicates an overall decrease in consumption of about 30 million gallons from the previous year. The Water Company can give no specific reason for the decrease other than that it may be due to seasonal influences of the weather.

The Northern Area Sewage Scheme is now before the Ministry of Housing and Local Government, and it is hoped that delay in commencing work on this work will not be further prolonged. Contamination from sewage of the upper reaches of the River Stour at Manningtree and Mistley is increasing and is preventing the public from taking full advantage of the amenities of the riverside. Moreover, in a letter to the County Public Health Inspector the Essex River Authority draws attention to the considerable polluting effect of the six trade effluents which are discharged into the River Stour, the presence of gross solids on the river bed due to the discharge of unscreened sewage, and to the unsanitary condition of the foreshore from time to time between Manningtree and Wrabness, a distance of some four miles where extensive chalet and caravan development will take place.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the staff of the Public Health Department for their excellent work.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

R. A. STENHOUSE,

Medical Officer of Health.



# STATISTICAL SUMMARY.

Area in acres	...	...	65,884
Population:			
1967 Registrar General's Estimate			27,120
1961 Census	...	...	24,733
Density of population per acre	...	...	0.40
Rateable value	...	...	£816,423
Sum represented by penny rate (1967-68)			£3,269.8s.0d.
Number of inhabited dwellings (approx.)			10,500
Census	...	...	8,335
Total live births	...	...	441
Live birth rate (per 1,000 home population) crude			16.3
Live birth rate (corrected)	...	...	17.9
Birth rate (England and Wales)	...	...	17.2
Total still births	...	...	10
Total live and still births	...	...	451
Still birth rate (per 1,000 total births)			22.0
Still birth rate (England and Wales)			14.8
Total deaths	...	...	356
Death rate (per 1,000 home population) crude			13.1
Death rate (corrected)	...	...	11.1
Death rate (England and Wales)	...	...	11.2
Death of infants under one year of age			8
Infant mortality rate (per 1,000 live births)			18.0
Infant mortality rate (England and Wales)			18.3
Infant mortality rate - legitimate	...	...	18.0
Infant mortality rate - illegitimate			-
Neo-natal mortality rate (Deaths under 4 weeks of age per 1,000 live births)			13.5
Early Neo-natal mortality rate (Deaths under 1 week of age per 1,000 live births)			13.5
Peri-natal mortality rate (Stillbirths and deaths under 1 week of age per 1,000 total births)			35.0
Number of illegitimate births	...	...	32
Deaths from diarrhoea (under 2 years of age)			-
Maternal deaths (included abortion)			-
Cancer	...	...	84
Total deaths due to cancer of lung	...	...	23
Tuberculosis deaths	...	...	1

The principal causes of, and various ages at, death are given in the following tables:-

CAUSES OF DEATH DURING 1967.

<u>Cause of Death</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Tuberculosis, other	-	1	1
Syphilitic Disease	1	-	1
Cancer (all sites)	42	42	84
Leukaemia,	1	-	1
Diabetes	1	-	1
Vascular Lesions of Nervous System	39	60	99
Coronary Disease, angina	32	19	51
Hypertension with Heart Disease	3	2	5
Other Heart Disease	11	17	28
Other Circulatory Disease	11	7	18
Pneumonia	5	9	14
Bronchitis	9	2	11
Other Diseases of Respiratory System	2	1	3
Ulcer of Stomach and Duodenum	1	1	2
Gastritis, Enteritis and Diarrhoea	2	1	3
Hyperplasia of Prostate	1	-	1
Congenital Malformations	2	2	4
Other Defined and Ill-defined Diseases	13	8	21
Motor Vehicle Accidents	1	1	2
All Other Accidents	1	2	3
Suicide	3	-	3
	<u>181</u>	<u>175</u>	<u>356</u>

DEATHS AT VARIOUS AGES DURING 1967.

Under 4 weeks	6
4 weeks and under 1 year	2
1 - 4 years	-
5 - 14 years	1
15 - 24 years	2
25 - 34 years	1
35 - 44 years	4
45 - 54 years	19
55 - 64 years	51
65 - 74 years	95
75 and over	175
	<u>356</u>

## PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1967:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Infective Hepatitis	1	-	1	1	-
Measles	236	-	236	236	-
Pneumonia	4	-	4	4	-
Scarlet Fever	14	-	14	14	-
Sonnei Dysentery	22	-	22	22	-
Whooping Cough	21	-	21	21	-
Totals:	298	-	298	298	-

### TUBERCULOSIS 1967

Age Groups of the four cases notified and one death during the year are given in the table below:-

Age Groups in Years	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
1 - 5	1	-	-	-	-	-	-	-
15 - 25	1	-	-	-	-	-	-	-
35 - 45	1	-	-	-	-	-	-	-
65 - 75	1	-	-	-	-	-	-	1
Totals:	4	-	-	-	-	-	-	1



NOTIFICATIONS AND DEATHS FROM TUBERCULOSIS SINCE 1960

<u>Year</u>	<u>New Cases</u>	<u>Deaths</u>
1960	10	3
1961	4	2
1962	8	-
1963	7	1
1964	4	-
1965	8	-
1966	1	1
1967	4	1

The following figures give the number of cases on the register at the end of 1967:-

Respiratory Male	50	Non-respiratory Male	7
Respiratory Female	30	Non-respiratory Female	10
	<u>80</u>		<u>17</u>

Total: 97.

## SANITARY CIRCUMSTANCES OF THE AREA

### WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's Supply has been given by Mr. W. A. Burrows, M.I.Mech.E., M.I.W.E., the Chief Engineer to the Company:-

"Practically the whole of the water supplied to the district was obtained from our Dedham Pumping Station, with some assistance from the Company's subsidiary sources at Lawford and Stratford St. Mary.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the 12 months ended 31st December 1967, amounted to 245.690 million gallons; an average daily consumption of 0.673 million gallons.

The total quantity taken for domestic purposes during the year was 137.262 million gallons; an average daily consumption of 0.376 million gallons. The total amount taken through trade meters was 108.428 million gallons; an average daily consumption of 0.297 million gallons.

The total number of connections (domestic and trade) made in the year in the Rural District, amounted to 457.

Approximately 13,524 yards of new main were laid in the Tendring Rural District during the year.

The supply of water to the district has been satisfactorily maintained both in quality and in quantity.

Samples of raw water are taken monthly; these are generally for chemical analysis only.

The monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the analyses.

In addition to the above, samples are also taken bi-monthly of all water stored in the Company's reservoirs, tanks and water towers. These samples are submitted for bacteriological examination only.

There is no evidence of plumbo-solvent action.

At the pumping stations where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every 8 hours) a residual of 0.2 p.p.m. of chlorine is maintained. If the chlorine residual falls below

this figure the water is re-tested and if still low the chlorine dose is raised to give the required residual. This happens very rarely.

If samples taken from storage show high bacterial counts, then a repeat sample is taken and submitted to Dr. G. U. Houghton at the South Essex Waterworks Company's laboratory at Langham for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine. This is done by injecting chlorine at the booster pump delivery and circulating the water through the reservoir on a closed circuit. The reservoir is then allowed to stand until the chlorine residual has returned to normal and is only brought into service again after another sample has been submitted for bacteriological examination and has been proved satisfactory.

The population supplied is approximately 27,000 and there are 705 standpipes."

## PUBLIC WATER MAINS

### Dwelling Houses connected to Public Water Mains

<u>Parish</u>	<u>Number of Houses</u>	<u>Population 1961 Census</u>
Alresford	559	926
Ardleigh	386	1,860
Beaumont	93	352
Great Bentley	554	1,155
Little Bentley	63	260
Great Bromley	206	780
Little Bromley	29	256
Bradfield	289	811
Little Clacton	822	1,647
Elmstead	293	854
Frating	57	323
Lawford	789	1,974
Manningtree	196	524
Mistley	686	2,115
Great Oakley	250	680
Little Oakley	335	978
Ramsey	717	2,276
St. Osyth	1,269	1,857
Tendring	146	815
Thorpe-le-Soken	563	1,606
Thorington	225	689
Weeley	470	951
Wix	190	665
Wrabness	119	379
	<hr/> 9,306 <hr/>	<hr/> 24,690 <hr/>

TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS - WATER ANALYSES

Chemical Results in Parts per Million

	<u>Maximum</u>	<u>Minimum</u>
Colour	4	Nil
pH	7.7	7.4
Electric Conductivity	950	840
Chlorine present as Chloride	158	11.2
Hardness. Total	330	270
Carbonate	280	255
Non-Carbonate	60	10
Nitrate Nitrogen	0.7	0.0
Ammoniacal Nitrogen	0.50	0.0
Albuminoid Nitrogen	0.00	0.00
Metals (Iron)	0.30	0.10
Turbidity	3	Nil
Odour	Nil	Nil
Free Carbon Dioxide	23	11
Total Solids	640	525
Alkalinity as Calcium Carbonate	280	255
Nitrite Nitrogen	Less than 0.01	absent
Oxygen absorbed	0.30	0.00
Residual Chlorine	0.27	Nil



## BACTERIOLOGICAL RESULTS

		<u>1 day</u> <u>at 37°C.</u>	<u>2 days</u> <u>at 37°C.</u>	<u>3 days</u> <u>at 20°C.</u>
Number of Colonies developing on Agar				
	Minimum	0 per ml.	0 per ml.	0 per ml.
	Maximum	0 per ml.	0 per ml.	2 per ml.
		<u>Present</u> <u>in</u>	<u>Absent</u> <u>from</u>	<u>Probable</u> <u>Number</u>
Presumptive Coliaerogenes Reaction				
		- ml.	100 ml.	0 per ml.
Bact. coli (Type 1)				
		- ml.	100 ml.	0 per ml.
Cl. welchii Reaction				
		- ml.	100 ml.	

### REMARKS

These samples are practically clear and bright in appearance have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories.

## HOUSING

New houses erected:-

By the Council	46
Private Enterprise	372

## SEWERAGE AND SEWAGE DISPOSAL

### Northern Area Sewerage Scheme

This scheme is still before the Ministry.

### Great Bromley/Frating Sewerage Scheme

A scheme has been prepared for this proposal but has not yet been submitted to the Ministry.

### Weeley Village (North) Sewerage Scheme

A tender for this scheme has been provisionally accepted and has been submitted to the Ministry for their approval.

### Weeley Heath Sewerage Scheme

Investigations have taken place and levels are being taken in connection with this scheme.

### Little Clacton - Elm Road

Surface Water Drainage in this road has now been completed.

## SANITARY INSPECTION

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served:-

	Total Inspections	Notices Served	
		Informal	Formal
Houses unfit	28		20
Houses unfit revisits	137		
Houses with defects	22	20	
Houses with defects revisits	16		
Houses drainage	68	28	
Houses verminous or dirty	6		
Improvement grants	404	26	
Water supplies	103	10	
Water Samples collected	36		
Schools	5		
Food Premises and vehicles	56	2	
Bakehouses	3		
Factories	21	1	
Shops	20		
Camping grounds and caravans	95	3	
Beach huts and shacks	25		
Infectious disease enquiries	128		
Refuse tips and depots	252		
Rats and mice infestations	3		
Polluted rivers and ditches	60	4	
Sewage works	1		
Piggeries	14	1	
Slaughterhouses	570	6	
Nuisance from animals	8	2	
Contractors or owners interviewed	200		
Animal boarding establishments	13		
Flooding	52	7	
Offices, Shops and Railway Premises Act	111	53	
Farms	1		
County Court	1		
Noise	27		
Dustbins	17		
Vehicle repairs	4		
Vehicle breakdowns	2		
Vehicles	4		
Vehicles abandoned	2	1	
Sonnei Dysentery	97		
Nuisances	13		

	Total Inspections	Notices Served	
		Informal	Formal
Insurance claims	3		
Swill boiling plant	4		
Milk Sampling	6		
Swimming Pools	6		
Refuse collection	59		
Pigeons	2		
Weeds	3	1	
Miscellaneous	283	5	
	<hr/> 2,991 <hr/>	<hr/> 170 <hr/>	<hr/> 20 <hr/>

### FOOD PREMISES

The following Table sets out the number of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them and includes the following approximate information for each category separately:-

Type of premises	No. of premises	No. of premises fitted to comply with Reg. 16	No. of premises to which Reg. 19 applies	No. of premises fitted to comply with Reg. 19
Cafes and Restaurants	17	17	17	17
General Provisions Shops	102	102	40	40
Bakery Shops	10	10	5	5
Butchers Shops	20	20	20	20
School Kitchens	25	25	25	25
Wholesale Grocers	1	1	1	1
Public Houses	55	55	55	55
Ice Cream Kiosks	2	2	-	-

FACTORIES

FACTORIES ACT, 1961.

PART I OF THE ACT.

1. Inspections for purposes of provisions as to health.

Premises (1)	Number on Register (2)	Number of		Occupiers prosecuted (5)
		Inspec- tions (3)	Written Notices (4)	
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	5	1	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	85	24	1	-
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	-	-	-	-
Totals:	90	25	1	-



2. Cases in which defects were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of Cleanliness (S.1.)	-	-	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.3.)	-	-	-	-	-
Inadequate ventilation (S.4.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Conveniences (S.7.)					
(a)					
Insufficient (b)	-	-	-	-	-
Unsuitable or defective (c)	1	1	-	1	-
Not separate for sexes	-	-	-	-	-
Other Offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Totals:	1	1	-	1	-

PART VIII OF THE ACT

SECTIONS 133 and 134

Section 133				Section 134
Nature of work  (1)	Number of Outworkers in August list re- quired by Section 110 (1) (c) (2)	Number of cases of default in sending lists to the Council (3)	Number of prosecu- tions for failure to supply lists (4)	Number of instances of work in unwholesome premises (5)
Wearing Apparel Making etc.	6	-	-	-

The premises were inspected and found to be in a satisfactory condition.



